



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

ASAP

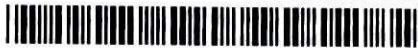
D4305-043
Job Sheet 179517



Part No: D4305-043

Job Qty: 4 ea

Part Name: Shoulder Harness Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 6/20/18

Job Tracking No:

Due Date: 7/9/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV E SHEET 2 IPP REV:A 13-03-22 NEW ISSUE DD VERIFIED BY:JLM IPP REV:B 13.04.08 AS PER
DWG REV.D DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	4 pcs	7/9/18	7/9/18	0.00	0.00	Purchasing		JUL 18 07.23
110	Packaging	4 pcs	7/9/18	7/9/18	0.00	0.00	Packaging2		JUL 18 07.23
120	QC	4 pcs	7/9/18	7/9/18	0.00	0.00	QC6		JUL 18 07.23
130	Packaging	4 pcs	7/9/18	7/9/18	0.00	0.00	Packaging3-2	57462	JUL 23 2018
140	QC21-SA	4 Ea	7/9/18	7/9/18	0.00	0.00	QC21		JUL 23 2018

Part Op 100 - Issue P/O: 046276
Descriptions: 9203 JUN 21 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
4181-2-201-2396	Shoulder Harness W/ Buckle Assembly	4 pcs (1 ea)	100-Purchasing	5095153

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	4181-2-201-2396	4	0	0

Part Specifications

Specifications could not be found.

Plex 6/20/18 8:00 AM dart.lacelle.linda

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS				
	Rework ☐	Scrap ☐	Use-as-is ☐	Suspected Unapproved ☐	Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐	Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐	Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐

Date: _____	Step #: _____	QTY Effective: _____	MRB (QS1042) Approval ☐
-------------	---------------	----------------------	--

Description Work Order Deviation	Disposition
----------------------------------	-------------

Completed By	Lead hand / Supervisor
--------------	------------------------

Approval Verification

QC / QA Coordinator Approval

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 07/23/18

Root Cause	
Environment	No Re-verification
Design	Operator
Doc/Data	Offset/Setup
Equip/Tooling	Supplier
Handling/Pre	Training
Material	Use for Testing
Internal Transport	Poor Information
Tribal Knowledge	Rushing
LOA	Product Improvement
Substation	Process Improvement
Past Expiry Date	Manufacturing Process
Misidentified	Past Due

Container No: S095157

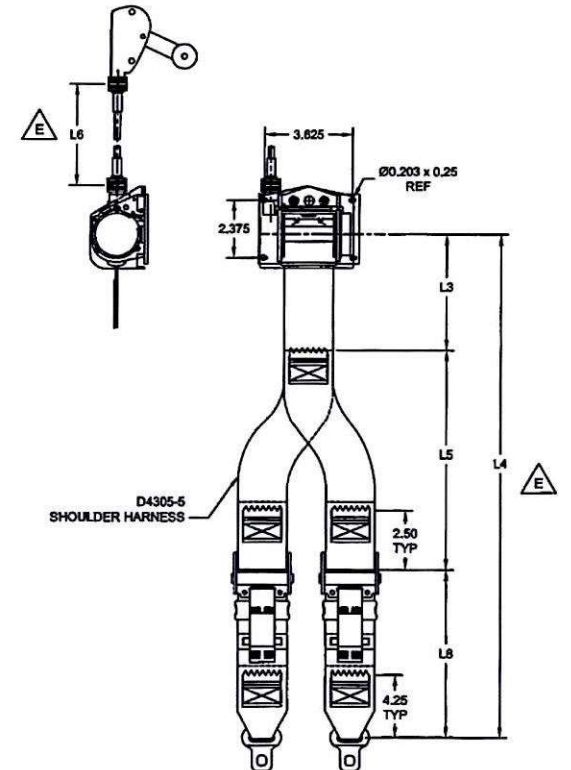
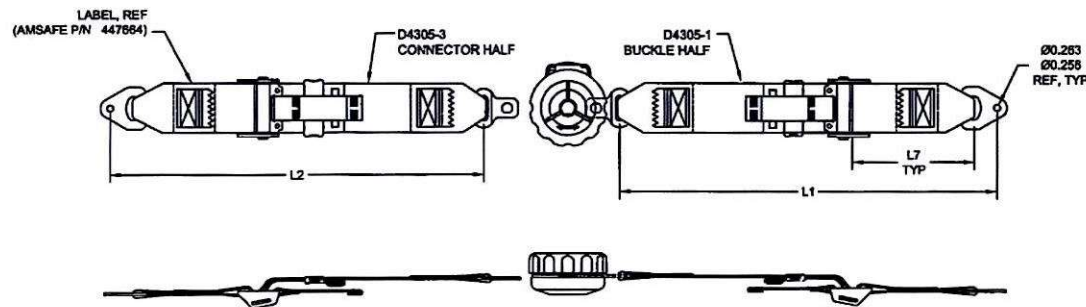
Part: D4305 - 043
Job No: 179517
Serial No/Batch: S095157
Revision:
Inspector:
Exp Date:
Instructions:

OTHER: ☐ Marks/Chatter ☐ Drill Holes ☐

Positioned Wrong
Outside Dimensions
Over/Under tolerance
Part Incorrect
Part Lost/Missing
Part Moved
Drawing
Finish
Misread
Turning Sequence

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00						5.50	
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-5	4181-2071912396	SHOULDER HARNESS	AMSAFE			40.00	103.00	41.00	22.00		4.00-22.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-191-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N. 4181-2-191-2396
CUST P/N: D4305-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

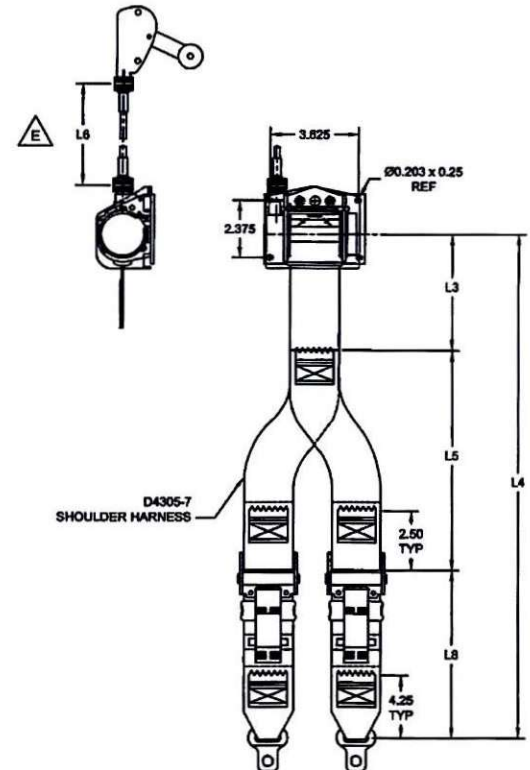
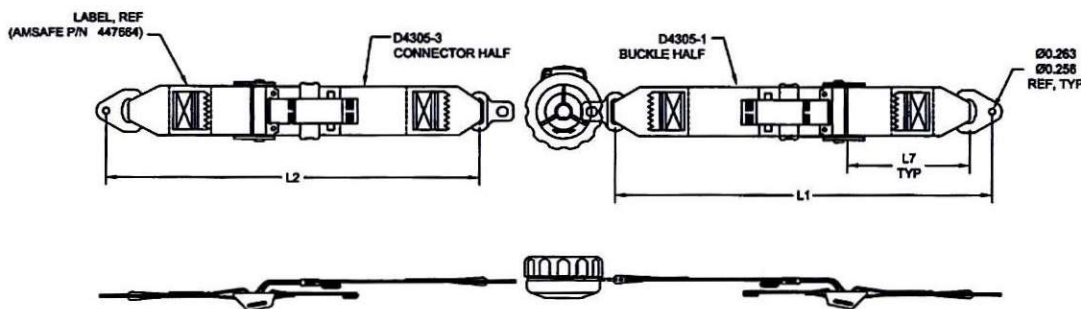
D4305-041 SHOULDER HARNESS

RELEASED
2017-03-06
ECN 17-533

REV.	DESCRIPTION	BY	DATE
E	ADD D4305-045, REF. NCR15-4642, REVISE DIMENSIONS TO BE SIMILAR TO AMSAFE DRAWING	VS	15.07.06
D	ADD D4305-043, REF. PAR12-288	SFM	13.01.21
C	5.50 WAS 4.00, L3 WAS 49.00, L4 WAS 4.00 - 26.00	RP	12.07.03
B	REVERSED ORIENTATION OF ADJUSTER ASSEMBLIES ON D4305-1 AND D4305-3. L1 & L2 WERE 24.00, L4 REDEFINED. L3 WAS L5 AND WAS 18.00. L6 ADDED. L5 WAS L8 AND WAS 30.00. UPDATE AMSAFE PART NUMBERS.	RP	12.05.25
A	NEW ISSUE	RF	10.11.26
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. REV. E DSC-D4305 SHEET 1 OF 3 TITLE SCALE SHOULDER HARNESS NTS COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DRAWN	VS		
CHECKED	RF		
MFG. APPR.	LL		
APPROVED	HS		
DE APPR.	HS		
DATE	15.07.06		

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00						5.50	
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-7	4181-2072012396	SHOULDER HARNESS	AMSAFE			40.00	103.00	41.00	30.00		4.00-22.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-201-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N, 4181-2-201-2396
CUST P/N: D4305-043
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

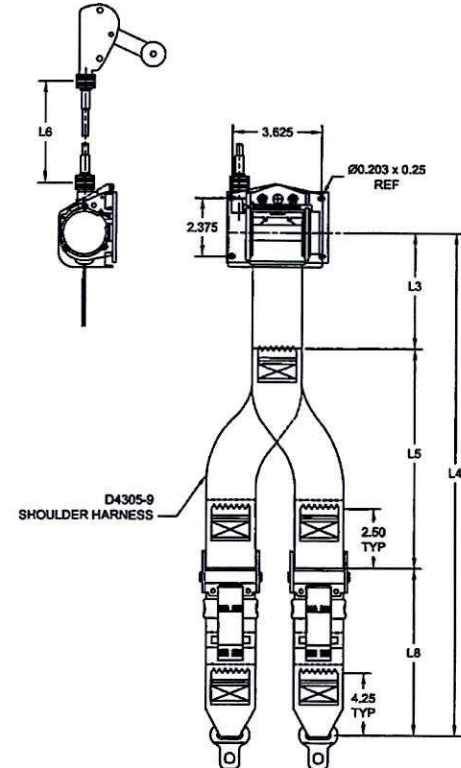
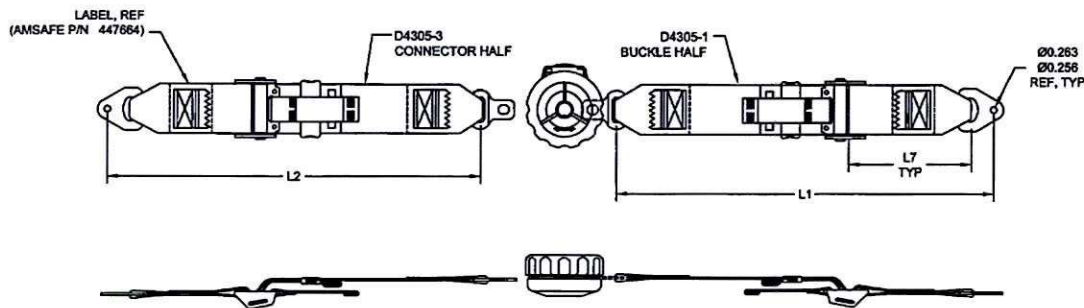
D4305-043 SHOULDER HARNESS

RELEASED
2017-03-06

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. E
MFG. APPR.	LL	DSC-D4305	SHEET 2 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	SHOULDER HARNESS	NTS
DATE	15.07.06	COPYRIGHT © 2015 BY DART AEROSPACE LTD	
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SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00						5.50	
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-9	4181-2072112396	SHOULDER HARNESS	AMSAFE			40.00	84.00	18.00	30.00		4.00-27.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-211-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N. 4181-2-211-2396
CUST P/N: D4305-045
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

D4305-045 SHOULDER HARNESS

RELEASED
2017-03-06

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. E
MFG. APPR.	LL	DSC-D4305	SHEET 3 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.		SHOULDER HARNESS	NTS
DATE	15.07.06	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO040276

Supplier: AMS002-VU
Amsafe Inc.
1043 North 47th Avenue
Phoenix, AZ 85043 USA
Phone: 602 850 2850
Fax: 602-278-3479

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040276
PO Date: 6/21/18
Due Date: 7/6/18 *07/19/18*
Purchase Order Revision:
Revision Date:
Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com
Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Revised \$
E-MAILED
JUN 21 2018

Items												
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		4181-2-201-2396			Shoulder Harness W/ Buckle Assembly As Per Dwg DSC-D4305 Rev. E	Firmed	7/6/18 <i>07/19/18</i>	4 pcs	0 pcs	4 pcs	\$855.88/pcs	\$3,423.52
Grand Total:												\$3,423.52

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

dB



1043 North 47th Avenue
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)278-3479

INVOICE

Please remit to:
AmSafe, Inc.
Lockbox 911928
P.O. Box 31001-1928
Pasadena, CA 91110-1928

*** DUPLICATE ***

Customer No.	Invoice Date	Sales Order Number	Invoice Number	Purchase Order Number	Page No.
10006113	07/19/18	S388208	I503372	PO040276	1

BILL TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

SHIP TO: DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

SOLD TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

REMARKS:
1517-9324-0

Freight
COLLECT

COMMENTS:

QUALITY CLAUSES:

A004, A005, A012, A016, A017, A026, A040,
A041, A042, A043

DART HOLDS STC CERTIFICATE AN IS ALLOWED TO PURCHASE NON PMA PARTS

TERMS	ORDER DATE	SALESPERSON	SHIP DATE	SHIP VIA	FedEx Intl Economy	FOB POINT
NET30	06/21/18	BLEAKE	07/19/18	TRACKING #	424497840800	ORIGIN
LINE NO.	ITEM	DESCRIPTION	UM	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			LOT	BACK ORD.	SHIPPED	

1	4181-2-201-2396	DRAWING: 4181 REV: T REST SYS ASSY W/IR	EA	S388208-1	0.0	4.0 N	855.88 USD	3,423.52 USD
---	-----------------	---	----	-----------	-----	-------	------------	--------------

Non-Taxable: 3,423.52 USD

Line Total: 3,423.52 USD

Total Taxable:

The undersigned, exporter/supplier of goods listed in this invoice/document, declares that according to the rule being valid in the European Union, the origin of these goods is the United States of America.

Signature:

Date:

Phoenix, Arizona, USA

Sales Tax:

Total:

3,423.52 USD

Erika Chavez

JUL 19 2018

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER

CUSTOMER NO.	SALES ORDER NO.	BOL NO.	DATE PRINTED	PAGE NO.
10006113	S388208	000503904	07/19/18	1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
HAWKESBURY, ON K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada



Ship to ID: 10006125

CUSTOMER ORDER NO.	TERMS	FREIGHT	SHIP VIA	F.O.B.
PO040276	NET30	COLLECT	FedEx Intl Economy	ORIGIN

Sales Order Remarks: 1517-9324-0

Remarks:

QUALITY CLAUSES:
A004, A005, A012, A016, A017, A026, A040,
A041, A042, A043
DART HOLDS STC CERTIFICATE AN IS ALLOWED TO PURCHASE NON PMA PARTS

SHIPMENT REFERENCE 000503904

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
1	4181-2-201-2396 REST SYS ASSY W/IR	DRAWING: 4181 REV: T CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S388208-1	2018-07-19	4 Expire Ref.	4 4	0

AmSafe Authorized Signature:

Erika Chavez

Printed Name:

Erika Chavez

Dated:

JUL 19 2018

COUNTRY OF ORIGIN USA

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S388208 - 1 <i>-HG</i>	
4. Organization Name and Address: AmSafe, Inc. 1043 North 47th Avenue Phoenix, Arizona 85043		Cert. No. PT1967NM			5. Work order/Contract/Invoice Number: S388208 - 1 <i>0</i> PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	REST SYS ASSY W/IR	4181-2-201-2396	4	<i>N/A</i>	NEW	
12. Remarks: Drawing: 4181 Rev: T TSO: TSO-C114 DATE CODE: <i>A0718</i> 						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: <i>[Signature]</i>		13c. Approval/Authorization No.: ODA602112NM		14b. Authorized Signature		14c. Authorized/Certificate No.
13d. Name (typed or printed): HOPE GONZALEZ		13e. Date (dd/mm/yyyy): <i>19/JUL/2018</i>		14d. Names (typed or printed)		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

CERTIFICATE OF CONFORMANCE

I certify that the article(s) listed below:

- * Conforms to all applicable drawing dimensions and specifications.
- * (If applicable) Meets the requirements of FAR 25.853 (a) Compartment Interiors.
- * (If applicable) Conforms to British CAA specifications.
- * (If applicable) All parts/materials are certified new, conform to the design data, and are in airworthy condition.
- * Meets all the requirements of TSO-C114.
- * The parts/materials reflected herein were produced under a FAA approved Manufacturing and Quality Assurance system/methods as set in FAR Part 21 Sub-Part O, Para. 21.601.
- * The conditions and tests required for TSO approval of this article are minimum performance standards.
- * It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standard.
- * TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR part 43 or applicable airworthiness requirements.
- * For the latest copy of the CMM/SMM, please log onto www.amsafeaviation.com

CUSTOMER NAME: DART AEROSPACE

SALES ORDER NO. S388208

Line	Purchase Order No.	Am-safe Part No.	Rev.	Lot No.	Customer Part No.	Dated Code	Quantity
1	PO040276	4181-2-201-2396	T	N/A	None	A0718	4

This document is the property of the customer and should remain with the articles listed above.

PLEASE DELIVER TO THE QUALITY ASSURANCE DEPARTMENT

REMARKS:

NEW

AMSAFE INC
1043 NORTH 47th. AVENUE
PHOENIX, ARIZONA 85043 USA
PHONE: (602) 850-2850 FAX:(602) 850-2812

QUALITY ASSURANCE REPRESENTATIVE

DATE _____

CUSTOMER